

WHAT IS CLAIMED IS:

1. An ophthalmic lens comprising:
a lens body comprising a composition including a first crosslinked polymer material which is water swellable; and a second polymeric material, other than the
5 first material, selected from the group consisting of water soluble polymeric materials, water swellable polymeric materials and mixtures thereof, the second material being physically immobilized by the first material.
2. The ophthalmic lens of claim 1 wherein the lens body exhibits at least one of increased water retention, increased equilibrium water content, increased modulus and reduced surface evaporation of water relative to a
5 substantially identical lens body without the second material.
3. The ophthalmic lens of claim 1 wherein the lens body has a reduced coefficient of friction relative to a substantially identical lens body without the second material.
4. The ophthalmic lens of claim 1 wherein the second material is crosslinked.
5. The ophthalmic lens of claim 1 wherein the second material is selected from the group consisting of water soluble polymeric material and mixtures thereof.
6. The ophthalmic lens of claim 1 wherein the first material is present in an amount in a range of about 10% to about 99.9% by weight, based on the water-free weight of the ophthalmic lens; and the second material is present in

5 an amount in a range of about 0.1% to about 90%, by weight, based on the water-free weight of the ophthalmic lens.

7. The ophthalmic lens of claim 1 wherein the first material is selected from the group consisting of hydrogel-forming polymers and mixtures thereof.

8. The ophthalmic lens of claim 1 wherein the first material includes units derived from at least one ethylenically unsaturated monomeric component.

9. The ophthalmic lens of claim 1 wherein the first material is substantially not covalently bonded to the crosslinked polymer material.

10. The ophthalmic lens of claim 1 wherein the second material includes units derived from at least one ethylenically unsaturated monomeric component.

11. The ophthalmic lens of claim 1 which is in the form of a corneal contact lens.

12. A method for producing an ophthalmic lens comprising:

5 providing a lens body comprising a lens composition including a first crosslinked polymer material which is water swellable;

introducing a monomeric component into the lens body; and

10 subjecting the monomeric component in the lens body to effective conditions to form a second polymeric material selected from the group consisting of water soluble polymeric materials, water swellable polymeric materials and mixtures thereof, the second material being physically immobilized by the first material.

13. The method of claim 12 wherein the monomeric component is soluble in at least one member selected from the group consisting of water, water miscible solvents and mixtures thereof.

14. The method of claim 12 wherein the monomeric component includes an effective amount of a crosslinker.

15. The method of claim 12 wherein the monomeric component includes an amount of a polyfunctional monomer effective to increase the molecular weight of the second material relative to a similar second material formed
5 without the polyfunctional monomer.

16. A composition comprising:

a first crosslinked polymer material which is water swellable; and

5 a second polymeric material, other than the first material and polyacrylic acid, selected from the group consisting of water soluble polymeric materials, water swellable polymeric materials and mixtures thereof, the second material being physically immobilized by the crosslinked polymer material.

17. The composition of claim 16 which has a reduced coefficient of friction relative to a substantially identical composition without the second material.

18. The composition of claim 16 wherein the second material is crosslinked.

19. The composition of claim 16 wherein the second material is selected from the group consisting of water soluble polymeric materials and mixtures thereof.

20. The composition of claim 16 wherein the second material is nonionic, anionic or a material having a substantially balanced cationic/anionic charge.

21. The composition of claim 16 wherein the first material is selected from the group consisting of hydrogel-forming polymers and mixtures thereof.

22. The composition of claim 16 wherein the second material is substantially not covalently bonded to the first material.

23. The composition of claim 16 wherein the second material includes units derived from at least one ethylenically unsaturated monomeric component.

24. The composition of claim 16 wherein the second material is selected from the group consisting of water swellable polymeric materials and mixtures thereof.

25. A composition comprising:

a first crosslinked polymer material which is water swellable; and

5 material, which is nonionic, cationic or a material having a substantially balanced cationic/anionic charge, and is selected from the group consisting of water soluble polymeric materials, water swellable polymeric materials and mixtures thereof, the second material being physically
10 immobilized by the first material.

26. The composition of claim 25 which has a reduced coefficient of friction relative to a substantially identical composition without the second material.

27. The composition of claim 25 wherein the second material is crosslinked.

28. The composition of claim 25 wherein the second material is selected from the group consisting of water soluble polymeric materials and mixtures thereof.

29. The composition of claim 25 wherein the first material is selected from the group consisting of hydrogel-forming polymers and mixtures thereof.

30. The composition of claim 25 wherein the first material includes units derived from at least one ethylenically unsaturated monomeric component.

31. The composition of claim 25 wherein the first material is present as a hydrogel in the presence of an effective amount of water to swell the first material.

32. The composition of claim 25 wherein the second material is substantially not covalently bonded to the crosslinked polymer material.

33. The composition of claim 25 wherein the second material includes units derived from at least one ethylenically unsaturated monomeric component.

34. The composition of claim 33 wherein the at least one ethylenically unsaturated monomeric component is polymerizable to form a linear or branched chain water soluble polymer or copolymer.

35. The composition of claim 25 wherein the second material is selected from the group consisting of water swellable polymeric materials and mixtures thereof.